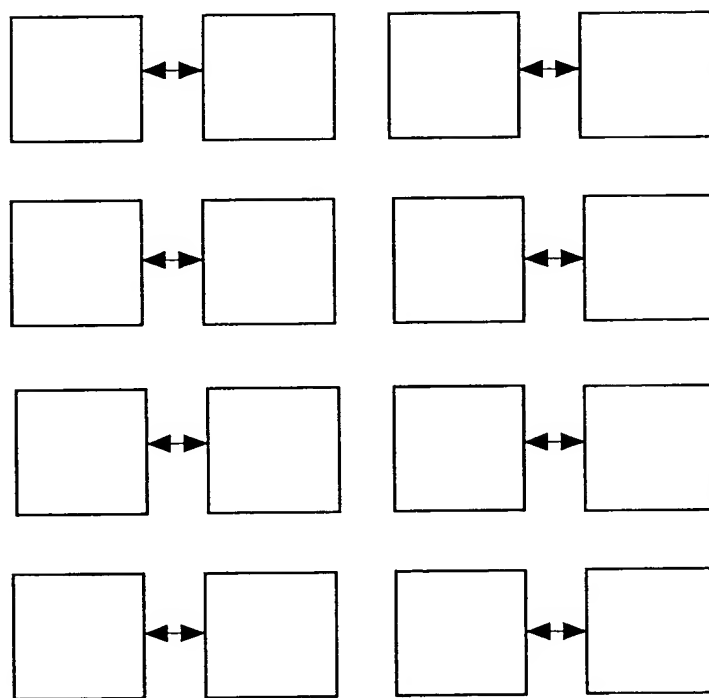
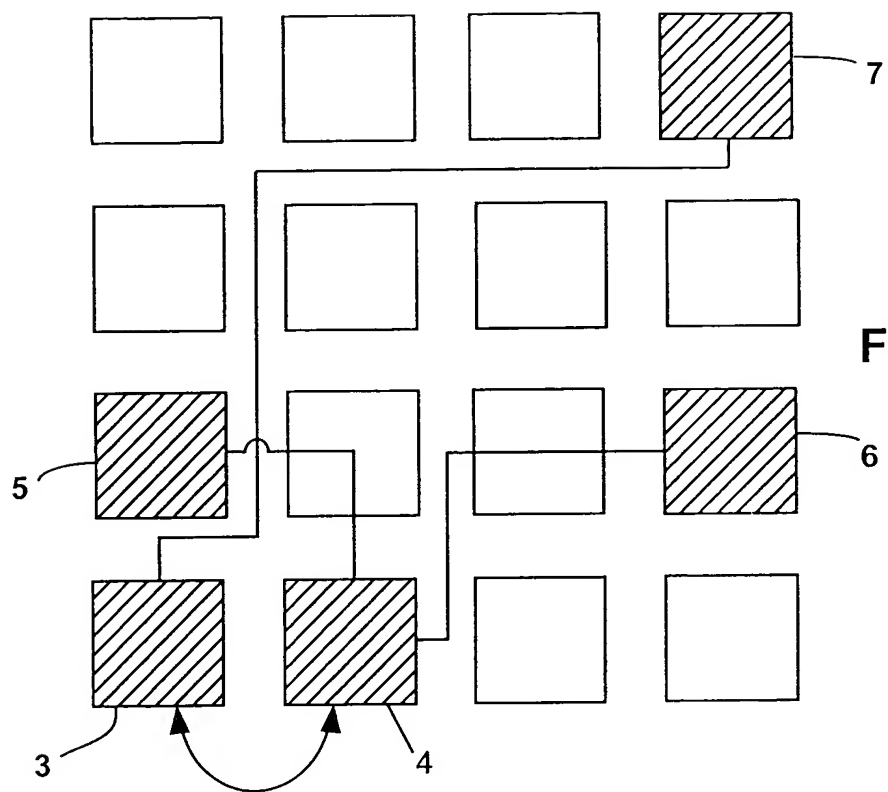


FIG.1



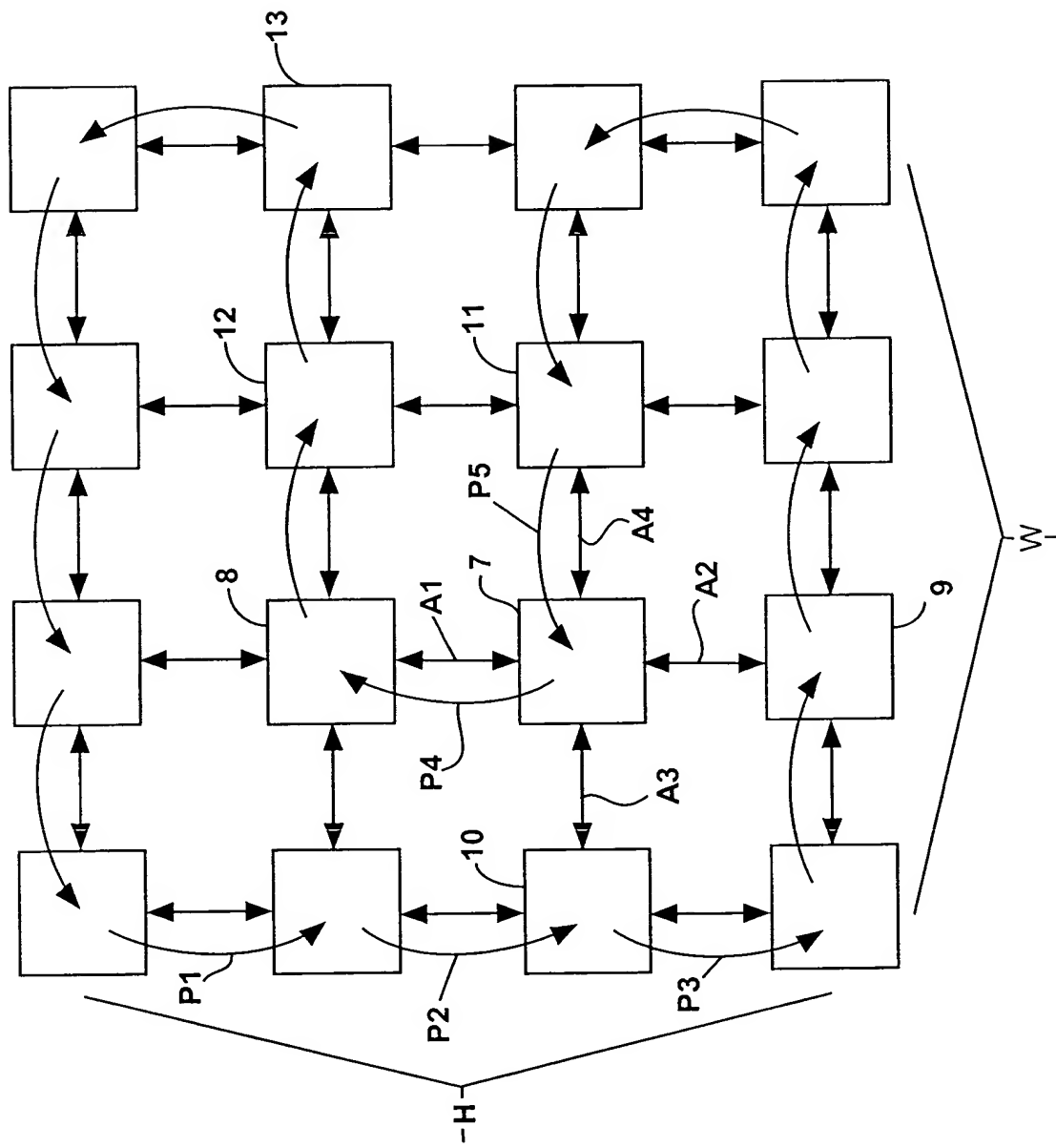


FIG. 4

```

if hypotheticalCost < currentCost then
    return TRUE;
else
    return FALSE;

```

FIG. 5

```

 $P \leftarrow \text{UPDATEP}();$ 
if RANDOM() <  $P$  then
    return TRUE;
else if hypotheticalCost <
        currentCost then
    return TRUE;
else
    return FALSE;

```

FIG. 6

```

if  $P$  undefined then
     $P \leftarrow 1;$ 
 $P \leftarrow P - 1/(4 \times \text{TOTALINTERVALSTORUN})$ 
return  $P$ 

```

FIG. 7

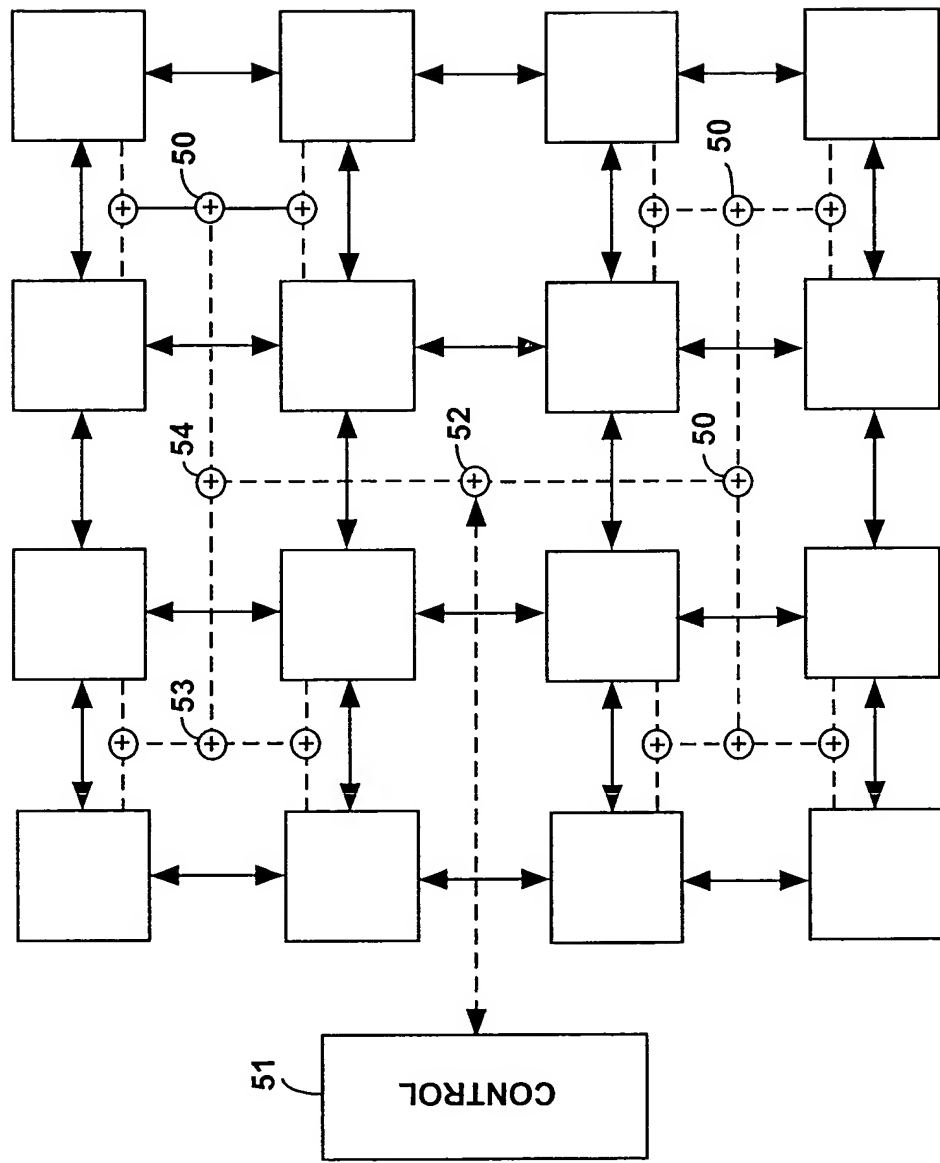


FIG. 8

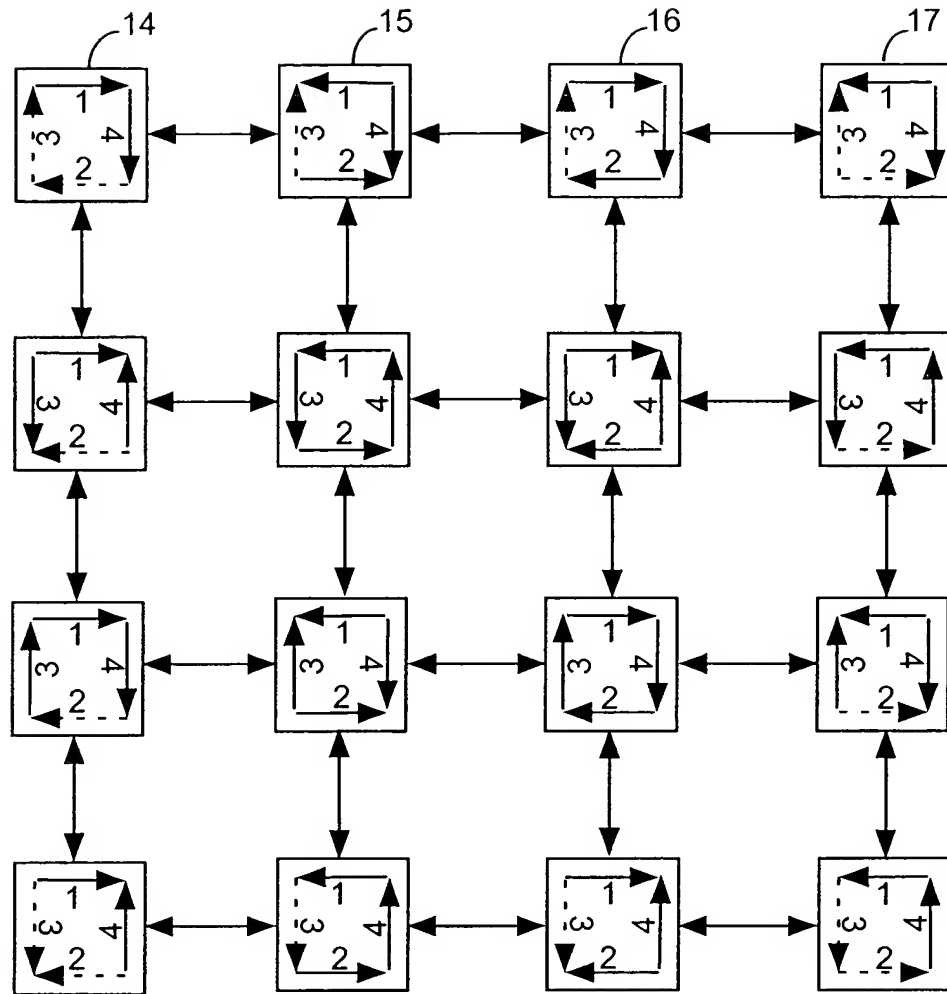


FIG. 9

```

randomly place the design into the PE array
for interval in 0 to TOTALINTERVALSTORUN
  for each node PE do in parallel
    PE.SHIFTOUTCURRENTPOSITION();
    loop NUMBEROFCELLS times do
      PE.SHIFTPOSITIONCHAIN();
      UPDATE PE.connectedCell.positions;
    loop SWAPSPERINTERVAL times do
      for four phases do
        PE.SWAPIFAPPROPRIATE();
  return the placement stored in the PE array

```

FIG. 10

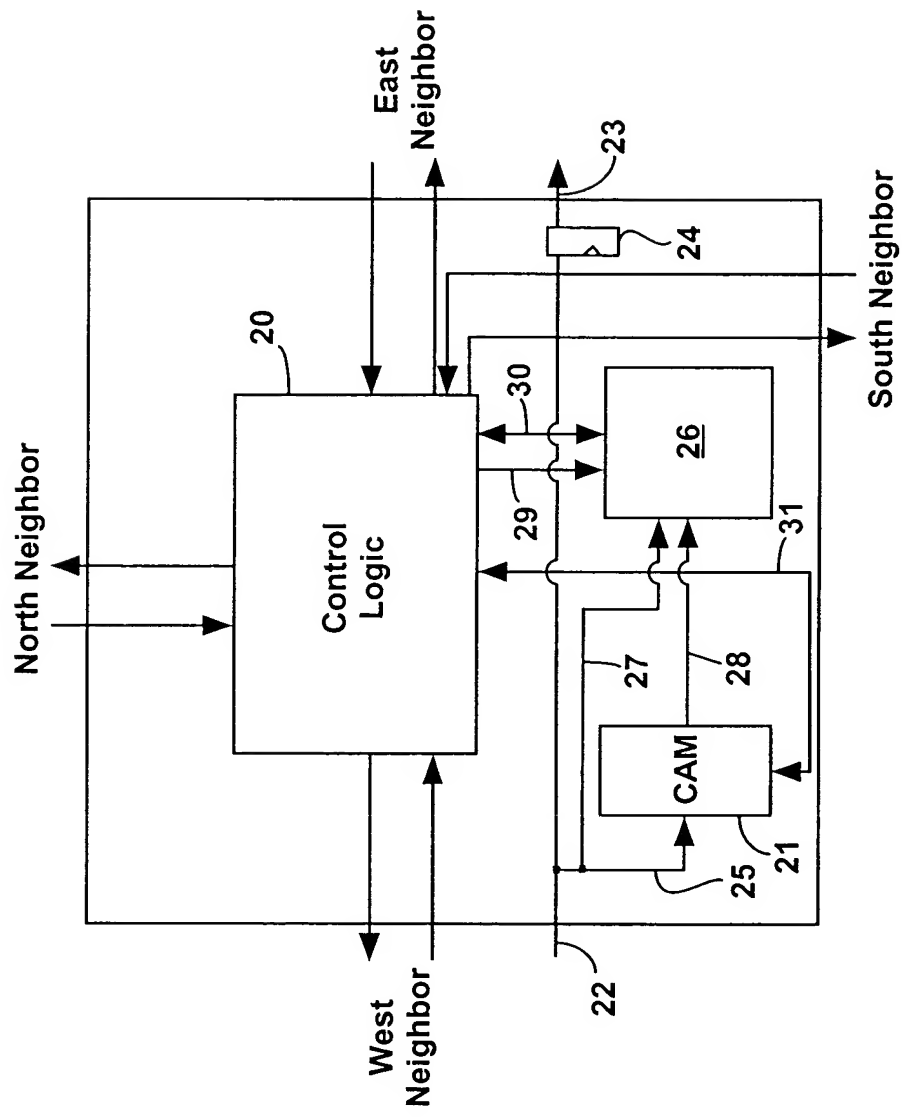


FIG. 11

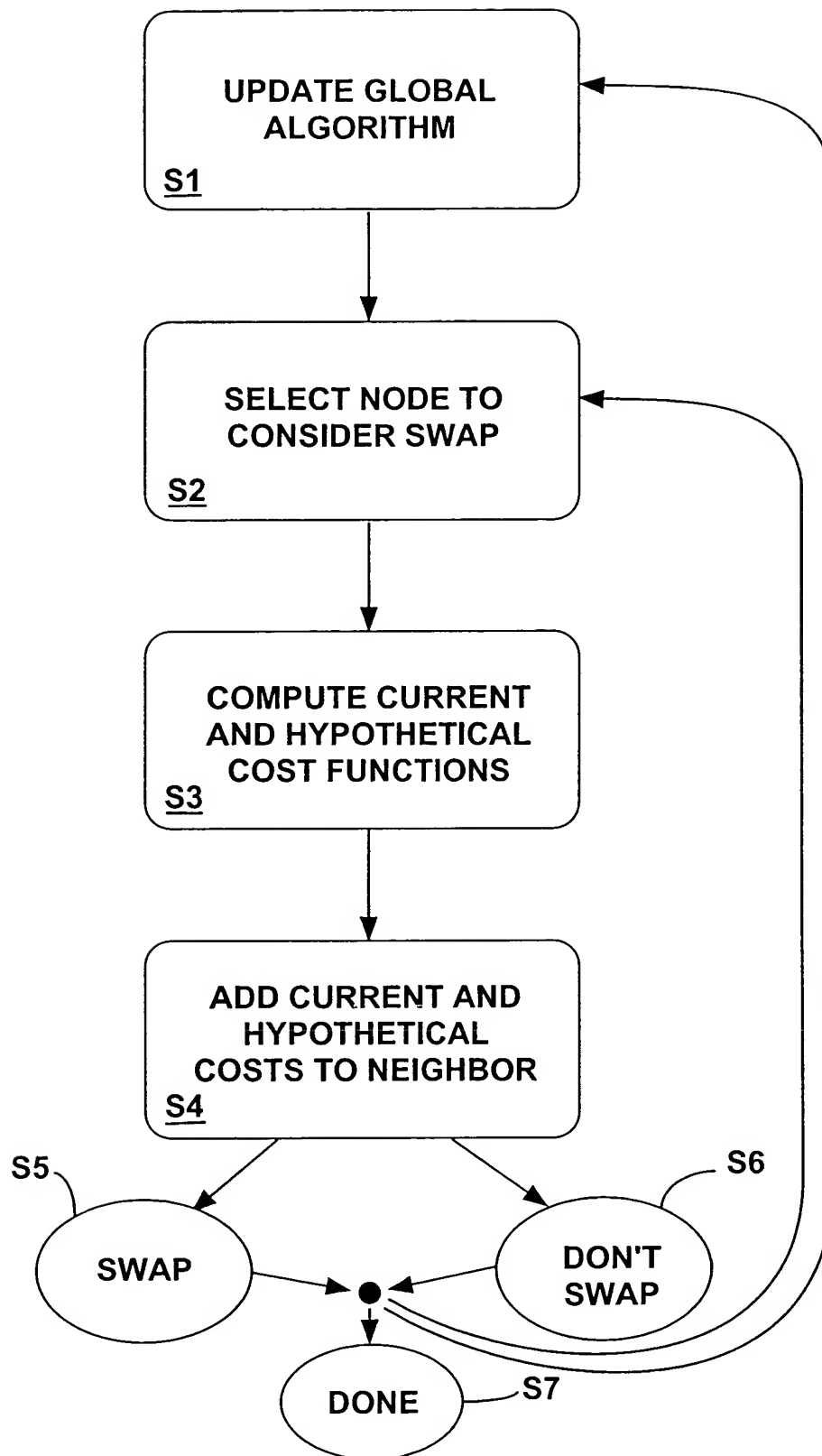


FIG. 12

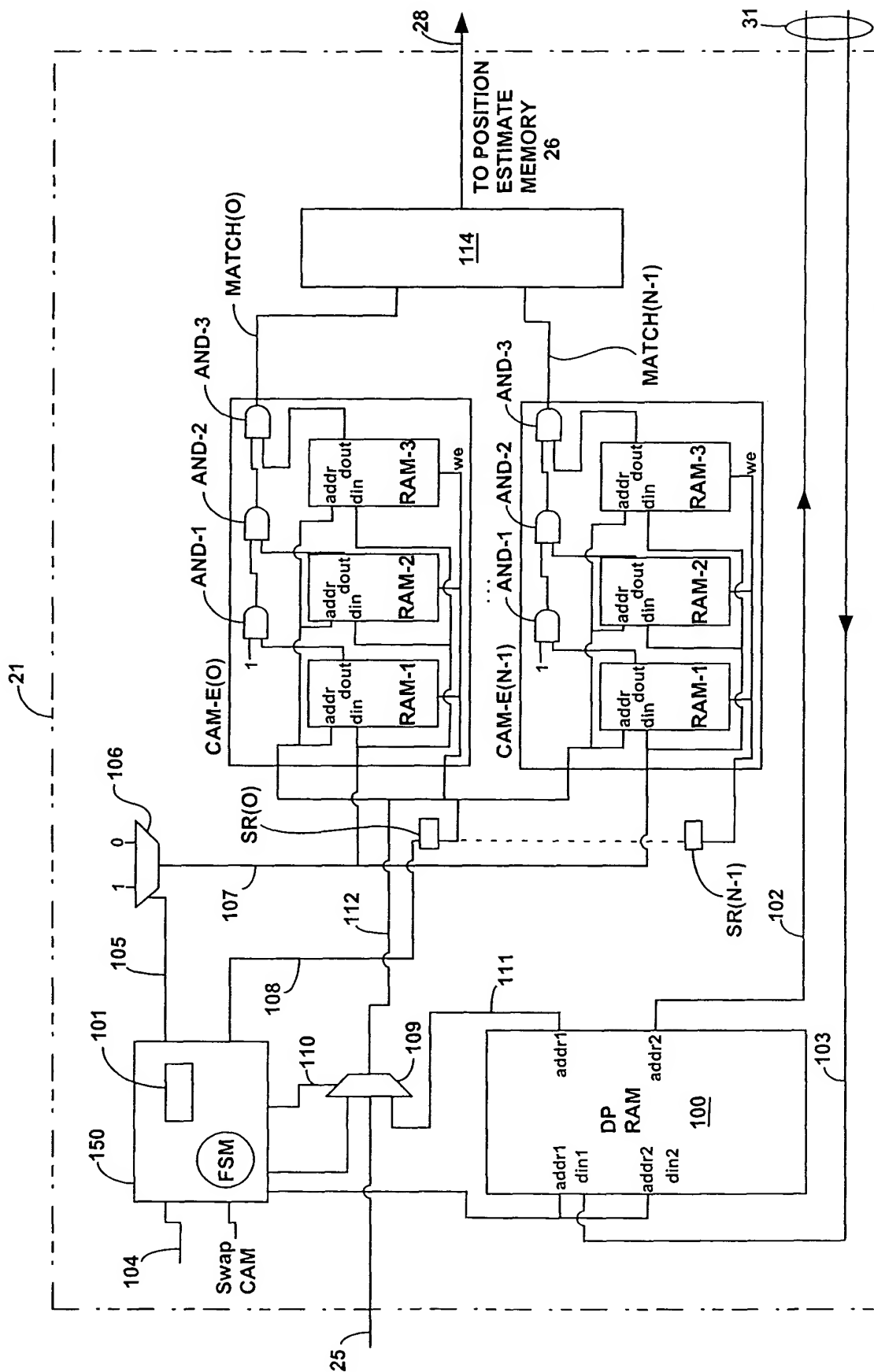


FIG.13

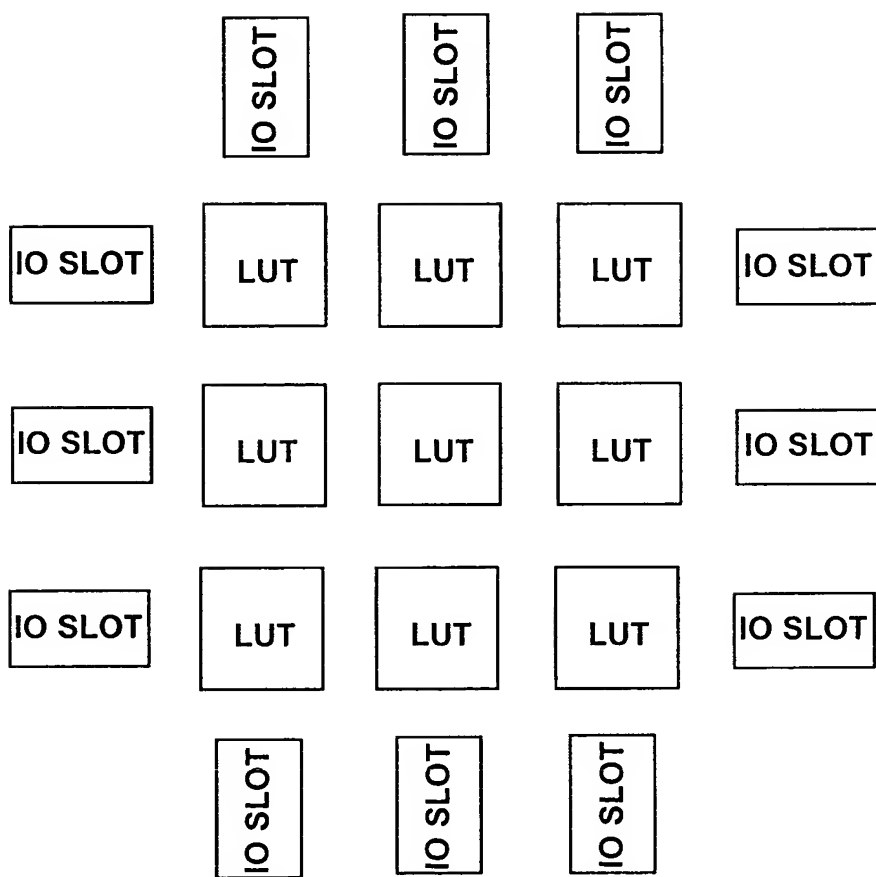


FIG.14

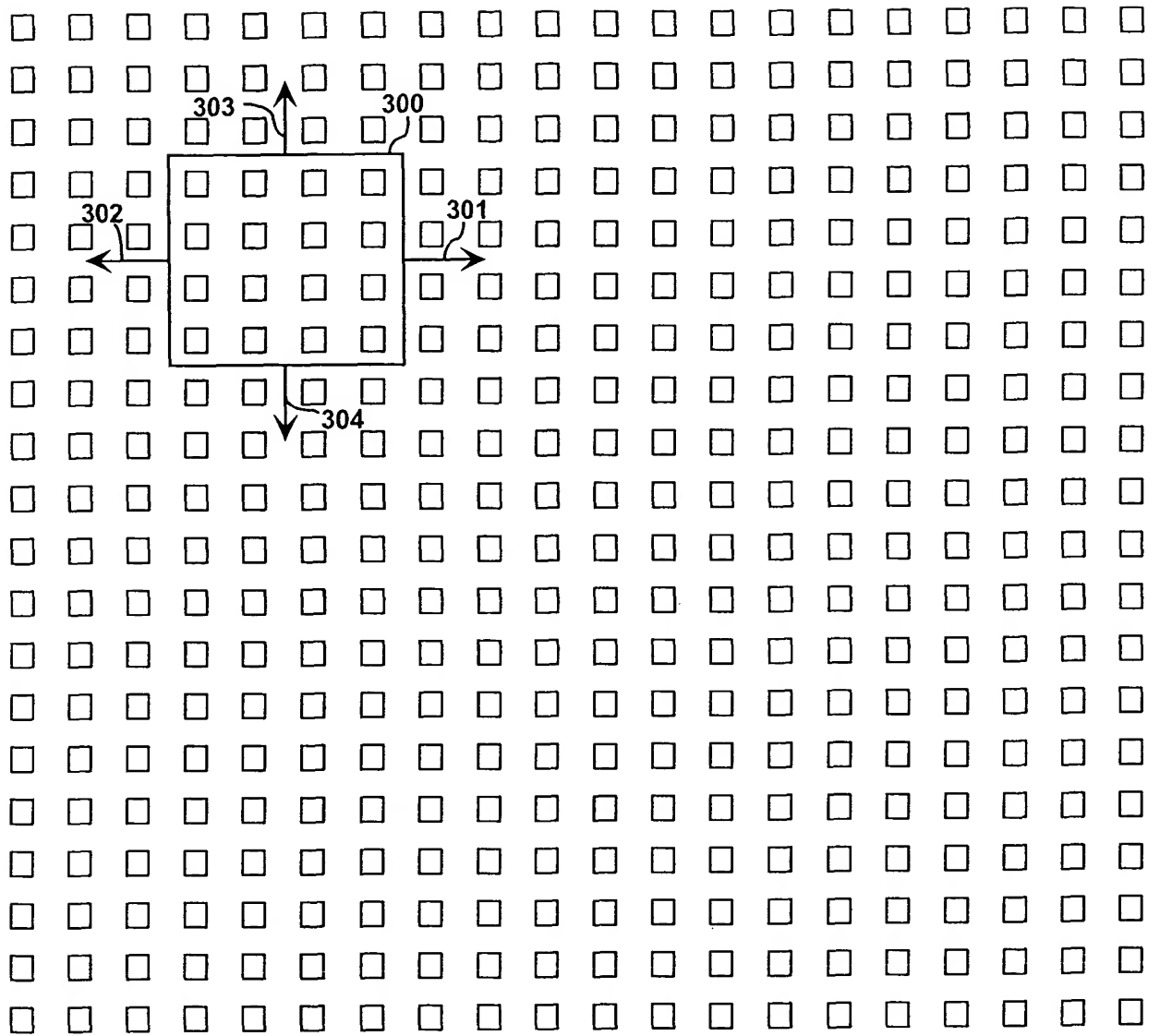


FIG. 15